

From ab4el.com Thu Jul 7 15:15:27 1994
From: censun1!gc@uunet.uu.net (Gary Chatters)
Subject: Ameco convertor

Rhett asks:

>Digging thru a box of curious stuff, I found an Ameco VHF Converter, Model CN.
>If one or several of you recognize this, I shall appreciate your telling me
>just what it is. Many thanks.

Well, it is always risky doing this from memory with all the equipment
at home but....

Well, it is a VHF Converter :-). I bought one of these myself at
the last hamfest I went to and pushed it onto the ever growing
queue of projects to work on Real Soon Now.

Let me list as many facts as I can, then let us know
if it explains things or not:

- It is a receive converter (not a transvertor, no
transmit capability).
- You input VHF (from an antenna) and it converts
down to HF (28 MHz or is it 14?) which you
feed into your HF receiver (e.g. Drake R4, Collins 75S3,...).
- Ameco made two models of this, one for 6M (50-54Mc)
and one for 2M (144-148Mc). I haven't figured out how to
tell which is which yet.
- They are all vacuum-tube design. One miniature and
2 or 3 Nuvistors.
- They are built on a small copper plated minibox with an
octal plug on the end to connect power. Ameco made small
power supply that is built on a similar but shorter minibox
that can plug right in to the convertor.

Gary

From ab4el.com Thu Jul 7 21:48:38 1994
From: "J. D. Delancy" <k1zat@bah.com>
Subject: Re: Ameco convertor

On Thu, 7 Jul 1994, Gary Chatters wrote:

> Rhett asks:

> >Digging thru a box of curious stuff, I found an Ameco VHF Converter,
> >Model CN.

> Well, it is always risky doing this from memory with all the equipment
> at home but....

Amen. I did this when I asked earlier today what the numbers were after
the CN ; they isn't any.

> Well, it is a VHF Converter :-).
> - It is a receive converter (not a transvertor, no
> transmit capability).

Correct on both. Ameco billed them as: "...a crystal controlled broadband
converter with a very low noise figure, very high gain and excellant image
amd spurious rejection. When used in conjunction with a receiver, it will
provide reception of the desired VHF amateur band.."

>
> - You input VHF (from an antenna) and it converts
> down to HF (28 MHz or is it 14?) which you

They came both ways and could be made for "specialized"
IF's of your choice.

> - Ameco made two models of this, one for 6M (50-54Mc) and
>one for 2M (144-148Mc).

Actually three models, there is (was) a CN-220 for 1.25
meters.

>I haven't figured out how to tell which is which yet.

If the crystal if its still on the convertor, you can
probably tell what band the convertor is for.

The CN-50 used a crystal

- for an IF of 7-11 Mhz used a 43 Mhz rock.
- for an IF of 10-14 MHz a 40 Mhz rock.
- for an IF of 14-18 Mhz a 36 Mhz rock.
- for an IF of 26-30 Mhz a 24 Mhz rock.
- for an IF of 28-30 Mhz a 22 Mhz rock.

The CN-144 used a crystal

- for an IF of 7-11 Mhz a 45.6667 Mhz rock.
- for an IF of 10-14 Mhz a 44.6667 Mhz rock.

```
-- for an IF of 14-18 Mhz a 43.3333 Mhz rock.
-- for an IF of 26-30 Mhz a 39.3333 Mhz rock.
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The CN-220 used a crystal

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-- for an IF of 7-12 Mhz a 53.2500 Mhz rock
-- for an IF of 10-15 Mhz a 52.5000 Mhz rock
-- for an IF of 14-19 Mhz a 51.5000 Mhz rock
-- for an IF of 26-31 Mhz a 48.5000 Mhz rock
-- for an IF of 28-33 Mhz a 48.0000 Mhz rock
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> - They are all vacuum-tube design. One miniature and
> 2 or 3 Nuvistors.
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Tubes used were 6J6, and three 6CW4 or 6DS4 Nuvistors. The 6J6 is the Oscillator-multiplier. V3/6CW4 is the Mixer. V2/6CW4 is the 2nd RF Amp. V1/6CWS4 is the 1st RF Amp.

If you have the CN for 220 Mhz I would be interested in "taking it off your hands". I also have the five page booklet that came with them (most of the above was extracted from it) if you want a copy.

[illegible]

From ab4e1.com Fri Jul 8 20:59:25 1994
From: Andy.Wallace@f278.n324.z1.fidonet.org (Andy Wallace)
Subject: Andy's Want list

Here it is again...there have been some changes, so don't skip it YET!

Here are some things my local boatanchor friends and I are looking for. If you have any of these things -- or leads on them -- please e-mail me, post in this sub, or write me at

Andy Wallace
P. O. Box 395
Chelmsford, MA 01824

Netmail addresses:

=====

Internet: Andy_Wallace@f278.n324.z1.fidonet.org

FidoNet: 1:324/278

WWIVNet: #6 @9203

Nice condition is preferred but "repairable" items might be considered....please be honest about condition and state who pays shipping.

ANDY &Co.'s WANT LIST: revised 8 JULY 1994

Accessories for the HRO-50:

=====

- SOJ-3 Select-O-Ject rejection unit. Small separate grey box with interconnect cable.
- Tuning coils G, H, J, AA, AB or AC, and/or dial scales.
- HRO-50TS 10" table speaker (grey, with a horizontal bar and an NC logo in the middle.)
- 650S vibrator power supply unit, for 6 VDC

DRAKE stuff:

=====

- HC-6/U crystals of frequencies: 11.3, 11.6, 12.1, 17.1, 18.1, 20.6, 22.6, 26.1, 28.6, 32.6, 36.6 MHz. (My SW-4A is missing all the crystals!)
- Manual for SW-4A (SW-4 might do) or schematic - I need this!
- Small Drake knobs -- flat grip round knobs; common; I need 2 or 3
- B-1000 balun accessory for their antenna tuner. It mounts inside.
- 2-LF converter for 2-B receiver (or parts/schematic to homebrew one)
- 2-AC calibrator for the 2-line
- 2-series speakers: 2-AS or 2-BS
- 2-C receiver with 2-CQ q-mult/spkr
- Drake style fuse cap for the AC-4
- Knob and skirt for R-4A receiver. Also need dial for the same...
- Original Drake manuals. (Any.) Also interested in brochures/ads.

-- junker Drake units for parts...what have you? Or possibly just PARTS!

OTHER Stuff:

=====

-- TMC SSB converter -- this is the small unit made to match the GPR-90, with a small dial at the center. Tabletop unit, not the CV-157 behemoth! Model number is GSB -- see 1960s ARRL hb ads.

-- Clock for HQ-170 (or 180) -- working!

-- FT-243 crystals, especially for the Novice bands

-- 1976 and 1979 World Radio TV Handbooks

-- bottom cover plate for the National NC-98 receiver

-- Cover plate for the RF coil deck of an R-390A (need 2)

-- bottom cover for an R-388

-- SB-3xx series Heathkit main tuning knob. Dark green plastic with the spun aluminum center disc and skirt. Does not have a spinner grip. I'd like one in very nice condition...

-- CW filter for the SB-313 (one for the SB-303 ham rcvr probably OK)

-- Johnson Invader 200 (alas, not the 2000) power supply <--> RF unit cable. I have the connectors for each end, but need info on what type (gauge, insulation rating, dressing) of wire to use for the cable.

MANUALS for the following:

=====

-- Heath IO-102 oscilloscope

-- Heath T-4 signal tracer (or verbal info on how to use it)

-- Heath C-3 Condenser (capacitor) checker

-- Eldico EE-3A tube electronic paddle keyer

-- Krohn-Hite model 330M 0.2-20 kc audio bandpass filter (tube!)

= = = = = = = =

There you have it. This list is fairly small, compared to other want-lists I've seen! Can you help me to make it smaller? Thanks...

--Andy

P.S. -- this list is posted OCCASIONALLY.

From ab4el.com Wed Jul 6 13:09:17 1994
From: "James Beyer" <beyer@eceserv0.ece.wisc.edu>
Subject: B-17 Radios

A few weeks back information was requested concerning the radio complement on the B-17. A number of replies were also posted but this week I had the opportunity to tour a restored B-17 here in Madison, WI where it was making a stopover on its way to the annual EAA (Experimental Aircraft Association) Fly-in at Oskosh, WI. My observations: The radio room is located just aft of the bomb bay. Against the bulkhead dividing the radio room and the bomb bay and on the right side (facing the cockpit) is located the operating table which contains a BC-348-Q receiver and a straight key. On the left side against the bulkhead are two shelves containing the SCR-274-N command set. The upper shelf has two transmitters and the antenna current meter and relay box. The lower shelf has three receivers. (The remote control for these is located on the overhead between the pilot and the co-pilot) Directly behind the operating table on the bulkhead dividing the radio room from the waist-gunners area is the BC-375-E transmitter with the antenna tuning unit located directly above it and mounted horizontally. To the left of the transmitter (across the doorway leading aft) are stacked the transmitter tuning units. (the ones that were such a marvelous source of RF components, TU-8,10, 26, etc). The only other gear I saw was the MN-26-C radio compass located on a shelf at the rear of the cockpit with the remote control mounted at the pilot's left. The distinctive compass antenna is located directly below the cockpit on the fuselage. A book I read recently written by a former navigator of a B-17 concerning his experiences over Europe in 1944 and 1945 shows a picture of the radio room looking at the command set shelves. The only difference I saw was the upper shelf containing two transmitters and a receiver while the lower shelf still contained three receivers. I'm also sure a BC-221 freq meter belonged in the restored plane but it was absent.

The plane will be on display at Oskosh later this month (I think they give rides if you're up to the noise, how about straight key night from a B-17?). I hear the EAA Fly-in is quite a show.

Regards,

Jim Beyer W9ADJ

From ab4el.com Fri Jul 8 10:45:46 1994
From: "James Beyer" <beyer@eceserv0.ece.wisc.edu>
Subject: Re: B-17 Radios

In message <176E66B1F4B@augustana.edu> "Kevin Anderson" writes:
> Jim,

>
> Thanks for this information. It is good to have. I was one
> of the original people asking for this information.
>
> Hmmm. All the pictures I've seen indicate that the
> operator's table with the BC-348 receiver should be on the
> left (port) side of the cabin as you face forward. But I
> may be mistaken.
>
> Kevin,
 You're absolutely correct, the operating desk is on the port side. I
should have stuck to my Navy training, HI. When I reread my message I couldn't
believe I said "right". My apologies.
 73,
 Jim Beyer

From ab4el.com Fri Jul 8 13:28:51 1994
From: "James Beyer" <beyer@eceserv0.ece.wisc.edu>
Subject: Re: B-17 Radios

In message <176E66B1F4B@augustana.edu> "Kevin Anderson" writes:

> Jim,
>
> Thanks for this information. It is good to have. I was one
> of the original people asking for this information.
>
> Hmmm. All the pictures I've seen indicate that the
> operator's table with the BC-348 receiver should be on the
> left (port) side of the cabin as you face forward. But I
> may be mistaken.
>
 Kevin,
 You're absolutely correct, the port side for the operator's table. I
should have stuck to my Navy training, HI. I couldn't believe it when I reread
my original message and found I'd said "right". And, of cours, the Command Set
to starboard. My apologies. 73,
 Jim Beyer

From ab4el.com Wed Jul 6 18:19:27 1994
From: censun1!gc@uunet.uu.net (Gary Chatters)
Subject: BA RTTY (Was: Re: Classic Radio Exchange)

Jim Haynes writes:

>
>Which reminds me - how do I propose a new event?
>
>Inspired by Straight Key Night, I've been thinking we ought to have a
>Green Key Night for RTTY, when you have to use a real mechanical Teletype
>and preferably 850Hz shift and a boatanchor rig. The appropriate date is
>Feb 20, the anniversary of FCC permitting FSK RTTY on HF in 1953.
>(I've just been reading Vol. 1 of RTTY magazine, 1953, which tells about
>the first night's operation on that date.)
>
>

An interesting idea. I might even be ready by next February.
Would there be enough of us to actually make contacts though?

When I added BA collecting as another aspect of amateur radio about a year ago, I first thought of setting up a BA RTTY station. Back when I in high school and had my general license, the set up was an SX-100, DX-60/HG-10, Twin Cities TU and a Model 15. I stuck to 80 meters, so didn't work a lot of DX but still had a lot of fun with it.

I am not trying to reproduce that set up, but rather am trying to come up with a nice setup with what is on the market but doesn't cost too much (no 75A4s).

Progress is slow since I have a lot of other projects going but so far I have aquired an R390A receiver, two military FSK converters and two 28ASRs. The hollow state FSK converters are not working yet, so I am using some solid-state ones.

I still haven't picked up a BA transmitter that would be suitable for RTTY. But I did get a Northern Radio FSK keyer recently that looks like it would cover 80 meters. That might do the job if I can ever figure out how it works.

There seems to be several relatively new people on the list that are interested in RTTY. I am glad to see the increased interest and hope to see occasional discussions on the topic of BA RTTY. Since the list is primarily for discussion of vacuum tube radios I'll try not to get too far off topic, but will concentrate on discussing the use of receivers/transmitters and convertors.

Hmmmm, the latest ER had an article on the ART-13. Sounds like a great AM transmitter. How would it do on RTTY?

Gary

From ab4el.com Wed Jul 6 12:49:03 1994
From: "Kearman, Jim" <jkearman@arrl.org>
Subject: Classic Radio Exchange

This information is copied verbatim from the Summer issue of the QCWA magazine (no, I'm not a member, though I am eligible). I don't know any more, so contact K8SJ for more information (address at end).

I might even get on for this one!

73

Jim, KR1S
jkearman@arrl.org

The 1994 Fall Classic Radio Exchange Contest will take place between September 25-26, 1900 UTC to 0400 UTC. Exchange your name, RST, QTH, receiver and transmitter type (homebrew send final amp tube or transistor) and other interesting conversation. A classic radio is one that is at least 10 years old. The same station may be worked using different equipment. On CW call "CQ CX" and on Phone call "CQ Classic Exchange."

Scoring: Multiply total QSTs (all bands and modes by the following sum: (total number of different receivers and transmitters worked on each band and mode plus the total number of states/provinces/countries worked on each band and mode). Multiply that total by your Classic Multiplier, the total years old of all receivers and transmitters used. Note: You must have three QSOs minimum per unit to qualify. If the equipment is a transceiver, multiply age by two. If homebrew, count as 25 years old unless actual construction or design is older.

Certificates are awarded every now and then for the highest score, exotic equipment, the best excuse and other unusual achievements. Send logs, comments, anecdotes, pictures to:

Jim Hanlon, W9KGI/5
P.O. Box 581
Sandia Park, NM 87047

Include SASE for next CX Newsletter.

Send an SASE to Stu Stephens, K8SJ/VP2MFA

749 E. Prospect Street
Girard, OH 44420

for a complete set of rules.

From ab4el.com Wed Jul 6 14:38:41 1994
From: haynes@cats.ucsc.edu (Jim Haynes)
Subject: Re: Classic Radio Exchange

Which reminds me - how do I propose a new event?

Inspired by Straight Key Night, I've been thinking we ought to have a Green Key Night for RTTY, when you have to use a real mechanical Teletype and preferably 850Hz shift and a boatanchor rig. The appropriate date is Feb 20, the anniversary of FCC permitting FSK RTTY on HF in 1953. (I've just been reading Vol. 1 of RTTY magazine, 1953, which tells about the first night's operation on that date.)

From ab4el.com Wed Jul 6 23:50:37 1994
From: "J. D. Delancy" <k1zat@bah.com>
Subject: Re: Classic Radio Exchange

On Wed, 6 Jul 1994, Jim Haynes wrote:

> Which reminds me - how do I propose a new event?
> Inspired by Straight Key Night, I've been thinking we ought to have a
> Green Key Night for RTTY, when you have to use a real mechanical Teletype
> and preferably 850Hz shift and a boatanchor rig. The appropriate date is

So do we have a consensus on date ? I still have a Model 14, 15, and 28 *ASR and KSR* from TTY corp ready for action with my not so old Swan 500C (no comment on the TU (yet))..

jd

From ab4el.com Wed Jul 6 20:47:03 1994
From: "Terry O'Laughlin" <OLAUGHLIN@vilas.uwex.edu>
Subject: Eddystone receivers

Does anyone know anything about Eddystone?

73s Terry O' WB9GVB

From ab4el.com Fri Jul 8 11:23:55 1994
From: "Mark Glusker" <glusk@mechcad3.esd.sgi.com>

Subject: From r.r.a.homebrew

Reply to zogg@valinor.mythical.com, not me.

>From: zogg@valinor.mythical.com (Jean Bulot)

Subject: Vacuum Tubes

Date: Thu, 07 Jul 94 08:53:07 CDT

I've recently acquired several *THOUSAND* old vacuum tubes. I don't have time to post a list of all the type I have available, but I have a great deal of pre-1950 stuff which may be of interest to antique radio restorers. Tubes such as: Arcturus Blue (a cobalt blue envelope - one of the first triodes..), Audion, DeForest, Westinghouse, etc. I also have a great deal of Mil-Spec tubes with metal envelopes. IF anyone is interested in these components, please reply here.

I also have a complete set of Radio Repair manuals from 1926-1955. I have virtually all photofacts available at that time. I'm building a 100W tube amp for my bass guitar and would love to swap ideas with someone (is this the correct forum?).

- Jean Bulot
- gt0280a@acme.gatech.edu
- zogg@valinor.mythical.com

Jean Bulot

Internet: zogg@valinor.mythical.com uucp: netcomsv!valinor!zogg

From ab4el.com Wed Jul 6 19:18:55 1994

From: "James H. Haynes" <haynes@cats.ucsc.edu>

Subject: FSK on a BA (was Re: nothing to do with rtty...)

On Wed, 6 Jul 1994, Daniel Wright wrote:

> I for one would like to learn more from the "old hands" on the list about
> how one would get those old BA rigs to do fsk. What was involved? Was a
> TU of some sort hooked directly to the vfo? I'm assuming that afsk would
> simply need an audio connection. I don't have a desire to get into the old
> teleprinters, but hooking a modern computer/tnc to an old TUBE rig (proper
> reverence shown...(->) might be kinda fun!!! What d'yall think?????

Well the official military way to do FSK is that you have a box that mixes your VFO or xtal with a 200 kc oscillator which is frequency shifted using

a reactance tube. This is typified by the O-5B/FR exciter, and TMC made a similar unit, and there are other civilian versions.

The ham way is to hook a small condenser somewhere in the VFO, connect the other end to either the plate or cathode of a diode such as 6AL5, connect the other electrode of the 6AL5 to ground, feed the ungrounded one some DC through an RF choke and maybe some R-C filtering. The DC is actually the keying waveform and is intended to bias the diode to cutoff for mark and into conduction for space, so the little condenser is switched in and out of the VFO circuit.

Now you could make the small condenser a variable and adjust the shift that way. But it turns out that if you just put a pot on the keying voltage that goes to the diode then the shift is roughly proportional to voltage, so you can adjust it that way. One of the early articles on this was written by none other than Herb Hoover, Jr. W6ZH, who was later Pres. of ARRL. (or was it K6ZH - the old brain is so good at remembering things anymore).

I guess the advantage of the military method is that the shift doesn't vary as you tune the VFO, so you can have a calibrated knob with the amount of shift marked on it. And it can be used without tearing into a VFO that wasn't originally designed for FSK. The advantage of the ham method is simplicity. Actually you can do it without tearing into the VFO - there were some installations that involved wrapping a thin wire around a pin on the VFO tube and hooking the FSK components to that, so as not to alter the pristine rig.

From ab4el.com Fri Jul 8 08:50:18 1994
Subject: Fw: (fwd) Help with Old-timer needed
From: lakeith@wrdis01.robins.af.mil (Contractor Larry CONTRACTOR Keith Mr.)

(forwarding comment)

Can anyone help this guy out?

73,

Larry, KQ4BY

(original message follows)

Path: wrdis02.robins.af.mil!aus1.robins.af.mil!mane.cgrg.ohio-state.edu!math.ohio-state.edu!howland.reston.ans.net!agate!ihnp4.ucsd.edu!mvpb.saic.com!eskimo!rwing!xpresso!bill
>From: bill@xpresso.UUCP (Bill Vance)
Newsgroups: rec.radio.amateur.equipment,rec.radio.amateur.misc,rec.radio.shortwave
Subject: Help with Old-timer needed
Message-ID: <bill.08yt@xpresso.UUCP>

Date: 7 Jul 94 02:06:22 GMT
Organization: (N.) To be organized. But that's not important right now.....
Lines: 11
X-Newsreader: TIN [version 1.2 PL0]
Xref: wrdis02.robins.af.mil rec.radio.amateur.equipment:3593
rec.radio.amateur.misc:34758 rec.radio.shortwave:9878

I just inherited my Dad's old Hallicrafters SX-71 shortwave rcvr (AM/CW).
Does anyone out there have tune-up/alignment data on these puppies, or know
of someone in the Seattle area that fixes them?

Thanks in advance.

--

An EFFECTIVE	+	Help cut down on	+	bill@xpresso.UUCP (Bill Vance)
weapon in every	+	Government Spending;	+	rwing!xpresso!bill Bothell, Wa.
hand = Freedom	+	Resurrect a Local	+	You listen when I xpresso,
on every side.	+	Militia near You!	+	I listen when uuxpresso.....:-)

From ab4el.com Thu Jul 7 13:50:33 1994
From: Nick England <nick@cs.unc.edu>
Subject: German WWII Field Radio

DON'T REPLY TO ME - SEND MAIL DIRECTLY TO david_sutton@washcoll.edu
=====

rec.radio.swap #12640 (2 more)
>From: david_sutton@washcoll.edu (David Sutton)
Subject: German WWII Field Radio
Followup-To: rec.radio.swap
Date: Thu Jul 07 09:54:30 EDT 1994
Organization: Washington College
Lines: 7
Distribution: world

I have a German field radio from WWII. I am wondering if anyone can give me
any info about the range of values for something like this and where I
might be able to sell it. I want it to fall into the hands of a collector
if possible rather than end up in some Antique & Junke Shop. Any ideas are
appreciated.

-- David david_sutton@washcoll.edu

From ab4el.com Thu Jul 7 18:42:59 1994
From: Nick England <nick@cs.unc.edu>
Subject: German WWII Field Radio

DON'T REPLY TO ME - SEND MAIL DIRECTLY TO david_sutton@washcoll.edu

=====

rec.radio.swap #12640 (2 more)
>From: david_sutton@washcoll.edu (David Sutton)
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-- David david_sutton@washcoll.edu

From ab4el.com Fri Jul 8 20:31:31 1994
From: bsn@fusion.ph.utexas.edu
Subject: Re: Greenkeys Nite--Here's your chance!

Free to a good home: (i.e. on that can haul it out of my garage) Teletype Model 19 ASR.

Also a couple of Model 28 Reperfs and a spare TD.

These were all working units in very good condition. I haven't used them in many years for various reasons. I would love to put them back on the air myself but conditions just don't permit it in the foreseeable future.

W5KH

From ab4el.com Thu Jul 7 01:17:34 1994
From: halwaite@netcom.com (Hal R. Waite)
Subject: Heathkit Variable AC Power Supply

To the amateur who asked about the manual for this unit: I was mistaken and I have the manual.

Hal K4GFI/7

From ab4el.com Thu Jul 7 15:44:05 1994
From: censun1!gc@uunet.uu.net (Gary Chatters)
Subject: How to FSK (Was: Re: nothing to do with rtty...)

Dan asks:

>
> I for one would like to learn more from the "old hands" on the list about
> how one would get those old BA rigs to do fsk. What was involved? Was a
> TU of some sort hooked directly to the vfo? I'm assuming that afsk would
> simply need an audio connection. I don't have a desire to get into the old
> teleprinters, but hooking a modern computer/tnc to an old TUBE rig (proper
> reverence shown...(:->) might be kinda fun!!! What d'yall think????
>
> de Dan/WA0JRD

A couple of other net members have already explained the basic idea:
Connect a small capacitor and switching diode to the VFO and shift
the frequency slightly. Twisting a wire around the VFO cathode
is usually all the connection that is needed (plus ground, of course).

When I first got on, I used this method at home on a DX-60/HG-10
combination. It worked fine for 850 cycle shift on 80 meters.
At the college club station I tried it on a Collins 32S3 with
some success even on higher frequencies. I did work a little
RTTY DX on 20 meters from K8TIG/W8UM.

Feeding the audio from an AFSK oscillator into the mike input
of an SSB rig (set to LSB) is an alternative scheme for generating
FSK but requires some care in getting a clean signal.
Do not do this with an AM transmitter (on HF)!

I'll check some of my old books to see if I can find any of
these circuits.

Gary

From ab4el.com Wed Jul 6 09:02:17 1994
From: JosephWP@aol.com
Subject: Re: Jane's, etc...

Tiffany,

I have not seen a Jane's Communications in a used bookstore for over a year.
And believe me I have been looking! Would like a later one than the '86 I
have now. Well, I will just keep trying.

The battery numbers for the PRC-68, -68A are:

BA-5588/U This is a Lithium S02 battery
BB-715 This is a Nicad

If I find any more, I will pick up one for you. I think that S & G has some rebuilt batteries for the -68. I will get you there address if you are interested.

You know I tried NTIS for some manuals recently (including the one for the PRC-68). They would not sell me a PRC-77 maintenance manual as it is 'restricted!' That's so funny considering copies are out there everywhere. I just wanted something better than the copy I have. The other was obsolete, and we never found anything for the -68 but the TM xxxxxx -10. Either it is so complex that all repairs are done at the factory, or the maintenance has a different number (probably Marine Corp).

Looking at it, I think that the -68A is worth Murphy's price. It is a fine little set.

Joseph +

From ab4el.com Wed Jul 6 10:58:21 1994
From: "William G. Martin" <check@STL-06SIMA.ARMY.MIL>
Subject: Re: Jane's, etc...

Barnes & Noble mail order books has had the Jane's Communications annuals as remainders now and then. The \$15 price range sticks in my mind...

Will

From ab4el.com Fri Jul 8 15:24:36 1994
From: dmcintyr@acs.ucalgary.ca
Subject: John Roberts SK

This sad news is relayed from rec.radio.shortwave

Mr. John Roberts SK

It is with sad regret that I must report Mr. John Roberts a Communications enthusiast known coast to coast passed away on July 4th. John lived in Merrimac New Hampshire and was a longtime employee of DEC working in the Tempest/EMC lab. He was a well known sight at many hamfests throughout the country. He had what could be considered one of the largest personal collections of exotic military communications equipment in the US. He was an information contributor to the internet "New England Hamfest Bulletin" that appeared on the net

every month or so. I am posting this at the request of Mr. Jeff Kruth (of K-MEC West) a close personal friend of John's. Although I was only a casual acquaintance of John's I will truly miss his presence at the Baltimore area hamfests as will Jeff.

Jim Conrad

Note: Because John had many friend throughout the country I have cross posted this to several radio related groups. Apologies but I wanted the widest possible dissemination so all of John's friends are made aware of his passing.

— —

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<><><><><><><><><><><><><><><><><><><><><><>
<>                                Jim Conrad - N4WFP                                <>
<>      E-Mail - [jjc@infi.net] [CI$ 72401,2767] [AOL Jimc1790]           <>
<> H(804)587-7150 (voice & fax) | BPR (804) 473-6740 | W(804)460-6205 <>
```

Deane. VE6BP0
dmcintyr@acs.ucalgary.ca

From ab4e1.com Thu Jul 7 02:38:33 1994
From: "MELUCAS, MARC P." <MELUCAS@wsmc-mis.af.mil>
Subject: My e-mail Address

Hello Everyone-

I did not expect my e-mail address listed in the header to become a topic of discussion or (apparent?) side bets. So, for the benefit of anyone who needs to know, here it is from "the horse's mouth": "WSMC" stands for a now defunct organization called the Western Space and Missile Center, at Vandenberg Air Force Base in California. The assets of WSMC are now under the command of the 30th Space Wing. Rest assured, the mission is the same, only the name has changed. I hope this clears up any misconceptions, and pardon the bandwidth.

Marc, KB0JPQ

From ab4e1.com Wed Jul 6 17:16:49 1994
From: "MELUCAS, MARC P." <MELUCAS@wsmc-mis.af.mil>
Subject: Newark

Greetings and Thank-You:

Steve, Evert, and Rhett- Thanks for the Newark info, I now have a catalog coming my way. That 800 number worked. (Rhett-I am at Vandenberg, but have contact with White Sands!)

Marc, KB0JPQ

From ab4el.com Wed Jul 6 14:40:36 1994
From: censun1!gc@uunet.uu.net (Gary Chatters)
Subject: Newark phone (Was: Re: Octal Plugs and Newark)

>would someboby be so kind as to post a phone number or two for the Newark
>company? Thanks.

The number I have in my little book of phone numbers is:
1-800-537-1811

Someone might want to verify that. They also have a lot
of local offices around the country. Check your local phone book.

Gary

From ab4el.com Wed Jul 6 19:14:33 1994
From: censun1!gc@uunet.uu.net (Gary Chatters)
Subject: Newark phone (Was: Re: Octal Plugs and Newark)

>would someboby be so kind as to post a phone number or two for the Newark
>company? Thanks.

The number I have in my little book of phone numbers is:
1-800-537-1811

Someone might want to verify that. They also have a lot
of local offices around the country. Check your local phone book.

Gary

From ab4el.com Fri Jul 8 18:25:14 1994
From: TOM.A.ADAMS@mail.admin.wisc.edu
Subject: No Guts Ain't Gory...

to: boatanchors@gnu.ai.mit.edu

Re. the "No Guts, No Glory" philosophy of equipment testing / operation;

I've been playing around with this stuff for a lot of years (more than I care
to think about), and I've spent a number of years making my living servicing

broadcast transmitters.

While some of the stuff posted here may seem a bit extreme, I've come to learn that it's better to err on the side of caution.

What "glory" is there in dying of a cardiac arrhythmia induced by the AC leakage current thru the line bypass caps of a 40 year old R-390?

I would feel especially stupid doing that since I routinely deal with gear that dispenses upwards of 10,000 volts, at damned near enough current to arc weld with!

A lot of folks on this echo are relatively new hams who are accustomed to working on solid state (i.e., low voltage) equipment. One thing that hasn't been said here lately is that BOATANCHORS CAN AND WILL KILL IF NOT TREATED WITH A GREAT DEAL OF RESPECT AND COMMON SENSE! THEY ARE NOT RECOMMENDED AS GEAR FOR CHILDREN, THE CARELESS, OR UNASSISTED BEGINNERS!

On the back door of one 20 kilowatt FM broadcast transmitter I worked on frequently a sign is posted;

WORK SAFELY, AND HANG AROUND LONG ENOUGH TO MAKE YOUR PENSION

A MAJOR DRAIN ON THE STATE TREASURY!

Tom "Mr. T." Adams, K9TA

From ab4el.com Fri Jul 8 12:08:28 1994
From: QUACK <MUSCORJ@hsdwl.utc.com>
Subject: No Guts,No Glory

Having spent over 30 years working in an Electronic Department Engineering Lab-our motto-plug it in-NO GUTS,NO GLORY.
Geez,what a bunch of worry warts!
Yeah,my two 390As got three-prong plugs on 'em.
I don't worry about the darn things or the Hammarlunds with two prong plugs.
Like WA2UNN says: enjoy 'em.

Ron

From ab4el.com Wed Jul 6 16:27:58 1994
From: "Lee K. Gleason" <gleason@MWK.COM>
Subject: nothing to do with rtty...

>Inspired by Straight Key Night, I've been thinking we ought to have a
>Green Key Night for RTTY, when you have to use a real mechanical Teletype

>and preferably 850Hz shift and a boatanchor rig. The appropriate date is
>Feb 20, the anniversary of FCC permitting FSK RTTY on HF in 1953.
>(I've just been reading Vol. 1 of RTTY magazine, 1953, which tells about
>the first night's operation on that date.)

Feb 20, 1953...that's my birthday!

Lee K. Gleason N5ZMR
Control-G Consultants
gleason@mwk.com

From ab4el.com Wed Jul 6 17:38:15 1994
From: djw@unlinfo.unl.edu (Daniel Wright)
Subject: Re: nothing to do with rtty...

Someone said:

>Inspired by Straight Key Night, I've been thinking we ought to have a
>Green Key Night for RTTY, when you have to use a real mechanical Teletype
>and preferably 850Hz shift and a boatanchor rig. The appropriate date is
>Feb 20, the anniversary of FCC permitting FSK RTTY on HF in 1953.
>(I've just been reading Vol. 1 of RTTY magazine, 1953, which tells about
>the first night's operation on that date.)

I for one would like to learn more from the "old hands" on the list about
how one would get those old BA rigs to do fsk. What was involved? Was a
TU of some sort hooked directly to the vfo? I'm assuming that afsk would
simply need an audio connection. I don't have a desire to get into the old
teleprinters, but hooking a modern computer/tnc to an old TUBE rig (proper
reverence shown...(:->) might be kinda fun!!! What d'yall think?????

de Dan/WA0JRD

From ab4el.com Wed Jul 6 19:26:44 1994
From: "Steve Cornelius" <scornelius@ips.iac.honeywell.com>
Subject: Re: nothing to do with rtty...

On Jul 6, 15:58, Daniel Wright wrote:

> I for one would like to learn more from the "old hands" on the list about
> how one would get those old BA rigs to do fsk. What was involved? Was a
> TU of some sort hooked directly to the vfo? I'm assuming that afsk would
> simply need an audio connection. I don't have a desire to get into the old
> teleprinters, but hooking a modern computer/tnc to an old TUBE rig (proper
> reverence shown...(:->) might be kinda fun!!! What d'yall think?????

So would I, in fact, I'd love to build a couple of boards to allow the radio to feed RTTY into the Mac. This, to me, seems like real fun.

There doesn't seem too be much reference info out there for this, though. One is expected to "buy a \$300 TNC and RTFM". Let the black box do all the work. Feh.

How *do* you run FSK on said boxes?

- steve aa7xv

--

Steve Cornelius | If you *don't* like airplane noise,
Phoenix, AZ, USA | then why in the #*!! did you buy a
scornelius@server2.iac.honeywell.com| house next to an airport !?

Not a Honeywell opinion.

From ab4el.com Wed Jul 6 13:04:31 1994
From: "MELUCAS, MARC P." <MELUCAS@wsmc-mis.af.mil>
Subject: Octal Plugs and Newark

Greetings everyone-

With the latest chatter about octal plugs and the Newark catalog, would someboby be so kind as to post a phone number or two for the Newark company? Thanks.

Marc, KB0JPQ

From ab4el.com Wed Jul 6 15:51:36 1994
From: "Rhett T. George" <rtg@ee.duke.edu>
Subject: Re: Octal Plugs and Newark

- Marc Melucas -

It appears that you are at White Sands Missile Complex. There is a Newark catalog office in Albuquerque at 8205 Spain N.E. - zip 87109-3156.
Phone # 505/828-1878; fax # 505/828-9761.

Rhett George

From ab4el.com Wed Jul 6 23:55:17 1994
From: "J. D. Delancy" <k1zat@bah.com>
Subject: Re: Octal Plugs and Newark

On Wed, 6 Jul 1994, Rhett T. George wrote:

> It appears that you are at White Sands Missile Complex. There is a Newark

It would appear to be White Sands but I'll bet you a cold one that it's really Vandenberg in Calif (WSMC = Western Space Missile Center (I think that's right)) the test range.

jd

From ab4el.com Thu Jul 7 00:08:55 1994

From: Harris Boldt Edelman <hbe@red-eft.la.ca.us>

Subject: Re: Octal Plugs and Newark

>really Vandenberg in Calif (WSMC = Western Space Missile Center (I think
>that's right)) the test range.

Western Space & Missile Center. Good for a cold one minus the Frosty Mug.

-H.

From ab4el.com Wed Jul 6 00:34:25 1994

From: X90GALBRAIT1@wmich.edu

Subject: OCTAL PLUGS SOURCE?

Anyone know of a source for octal plugs (the type used as VF0/accessory terminals on Heatkit etc..).

I need some for T/R switching on the DX-100 and also to make some (argh) solid state replcement 5U4 type diodes (look at it this way, the reduced heat and the lessend load the power transformer will INCREASE the LIFE of the HQ-170 and HQ-180 transformers!-I like tubes much more than t**istors..don't get me wrong)!

Digikey, Mouser, and AES don't have 'em in their catalogs.

73

Chris, KA8WFC

From ab4el.com Thu Jul 7 23:31:09 1994

From: Fire Bottle archive handler <firebot1@jackatak.raider.net>

Subject: OCTAL PLUGS SOURCE?

Chris-

> Anyone know of a source for octal plugs...

> I need some for ...

> state replcement 5U4 type diodes

Where is your ham ingenuity? If you want to build a diode matrix to replace a 5U4GT, why not let the dead old 5U4 provide the octal base?

Is it just me? I have taken older, not functioning 5U4 type rectifier and smashed (gently, of course ;^) the glass envelop and then used the base as the "foundation" of the solid-state diode matrix... works pretty well overall... at least for me...

73,

Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657 -- all from the mobile! ;^)

Fire Bottle Server (Boat Anchors Get Out and Keep You Warm!)

firebotl@jackatak.raider.net

Where Old Radios and Fun ... GO TOGETHER!

+-----human interface: root@jackatak.raider.net -----+

From ab4el.com Fri Jul 8 12:30:47 1994

From: "Lee K. Gleason" <gleason@MWK.COM>

Subject: OCTAL PLUGS SOURCE?

>Is it just me? I have taken older, not functioning 5U4 type rectifier
>and smashed (gently, of course ;^) the glass envelop and then used the
>base as the "foundation" of the solid-state diode matrix... works
>pretty well overall... at least for me...

Say, don't some tubes have toxic beryllium oxide and thorium compounds in them? Better breath careful when you take one apart...

Lee K. Gleason N5ZMR
Control-G Consultants
gleason@mwk.com

From ab4el.com Wed Jul 6 09:02:13 1994

From: JosephWP@aol.com

Subject: Re: OCTAL PLUGS SOURCE?

I think that I saw them in a recent Newark catalog.

Joseph +

From ab4el.com Wed Jul 6 09:59:47 1994

From: "Stephen M. Linscott" <LINSBOT@RICEVM1.RICE.EDU>

Subject: Re: OCTAL PLUGS SOURCE?

On Tue, 05 Jul 1994 23:58:54 -0400 (EDT) you said:

>Anyone know of a source for octal plugs (the type used as VF0/accessory
>terminals on Heatkit etc..).

Newark has them in their catalog. Call your local branch. These things
are getting harder to find!

- Steve -

```
*****
*   Steve Linscott      W5EGP      *
*   Office of Computing Services    *
*   Rice University      *
*   Houston, TX          *
*****
```

From ab4el.com Fri Jul 8 12:43:53 1994

From: dgf@netcom.com (David Feldman)

Subject: Re: OCTAL PLUGS SOURCE?

>

>

>>Is it just me? I have taken older, not functioning 5U4 type rectifier
>>and smashed (gently, of course ;^) the glass envelop and then used the
>>base as the "foundation" of the solid-state diode matrix... works
>>pretty well overall... at least for me...

>

>

> Say, don't some tubes have toxic beryllium oxide and thorium compounds
>in them? Better breath careful when you take one apart...

>

I picked up an old octal-socketed rectifier and used that; couldn't bring
myself to kill a tube.

From ab4el.com Fri Jul 8 20:20:24 1994

From: Hugh D. Stegman <driver8@red-eft.la.ca.us>

Subject: Re: OCTAL PLUGS SOURCE?

Lee K. Gleason writes:

>Say, don't some tubes have toxic beryllium oxide and thorium compounds
>in them? Better breath careful when you take one apart...

Not to mention cesium.

Don't eat tube innards! :-)

You can bag the tube before breaking it. Actually, though my heart would break first at the destruction of such venerable old glass antiques, working or otherwise.

Hugh NV6H

"Wanna come up and see my valve shelf?"

From ab4el.com Wed Jul 6 00:10:36 1994

From: "MELUCAS, MARC P." <MELUCAS@wsmc-mis.af.mil>

Subject: Prices

Greetings Fellow 'Anchorites-

I just read my July 1 edition of the "Yellow Sheets". I noticed two contrasting ads on the fourth page. One gentleman is asking \$450 for a 51J4; which is *reasonable* given some of the prices asked in the last few months for just such an animal. BUT it gets better! Another ad, just on the other column of the same page, announces an HRO-60 and an NC-183D for just \$800 each! Boy, I think I missed my calling.

The free market is a concept I wholeheartedly believe in and support, but I prefer to deal with reasonable people, when it comes to radio equipment. Maybe that guy will get \$800 for each of those Nationals, but it won't be me doing the buying at those prices.

Keep the faith and keep looking; the quest is half the fun IMHO!

Marc, KB0JPQ

From ab4el.com Wed Jul 6 09:02:34 1994

From: JosephWP@aol.com

Subject: Re: Prices

>>

I just read my July 1 edition of the "Yellow Sheets". I noticed two contrasting ads on the fourth page. One gentleman is asking \$450 for a 51J4; which is *reasonable* given some of the prices asked in the last few months for just such an animal. BUT it gets better! Another ad, just on the other column of the same page, announces an HRO-60 and an NC-183D for just \$800 each!

Boy,
I think I missed my calling.

>>

It gets better a little further down - \$ 2,200 for a 51S-1 and \$ 1,100 for a 75A-4 (by the same person placing the above ad)!

Joseph +

From ab4el.com Thu Jul 7 01:16:14 1994
From: Tim Rosaire <timros@crl.com>
Subject: R-390A & GFCI

Dennis,

I just installed a GFCI in my shack and my R-390A keeps tripping it. In your June 23 message, you mentioned that your two R-390As were doing the same thing and that you and Bill Hawkins believe the problem is the receiver's line filters.

There was also a recent discussion on Boatanchors about removing the line filters and any capacitors from the line to the chassis. Is this a good idea? Or should I remove the GFCI and rely on my three-pronged plug and a ground wire (I have both of these installed already)?

--Tim Rosaire

From ab4el.com Thu Jul 7 10:26:15 1994
From: "Menachem Galatz DC" <mgalatz@panix.com>
Subject: Re: R-390A & GFCI

>Dennis,

>

> I just installed a GFCI in my shack and my R-390A keeps
> tripping it. In your June 23 message, you mentioned that your
> two R-390As were doing the same thing and that you and Bill
> Hawkins believe the problem is the receiver's line filters.

> There was also a recent discussion on Boatanchors about
> removing the line filters and any capacitors from the line to the
> chassis. Is this a good idea? Or should I remove the GFCI and
> rely on my three-pronged plug and a ground wire (I have both of
> these installed already)?

>

>--Tim Rosaire

>

>

I am curious to know if your plug to ground resistance is on infinity with the VOM? Or maybe it leaks only with applied voltage? How does one check voltage coming off the chassis with a VOM? I'm new to this.

From ab4el.com Thu Jul 7 10:59:23 1994
From: mallick@ausable.crd.ge.com (John Mallick)
Subject: Re: R-390A & GFCI

Even if the capacitors are good (infinite VOM resistance), they'll still draw some current under applied AC voltage. That may be enough to trip the GFCI. For example, 0.01 microfarad caps will draw about about 0.4 mA with 120 VAC applied.

John WA1HNL

From ab4el.com Thu Jul 7 01:14:24 1994
From: Tim Rosaire <timros@crl.com>
Subject: R-390A bypass

Menachem,

On June 26 you posted a message on Boatanchors about some advice you received for bypassing or removing the line bypass filter/cap assembly (FL101) on your R-390A:

Cut the 4 wires connected to the FL101 and splice them right to right and left to left.

Did you get an authoritative confirmation that this procedure was a good idea and that it's all that's required (along with a good ground, naturally)?

And, most important, would you please pass on to me the step-by-step instructions you received for performing this modification?

--Tim Rosaire

From ab4el.com Thu Jul 7 10:23:16 1994
From: "Menachem Galatz DC" <mgalatz@panix.com>
Subject: Re: R-390A bypass

>Menachem,

>

> On June 26 you posted a message on Boatanchors about some
> advice you received for bypassing or removing the line bypass

>filter/cap assembly (FL101) on your R-390A:
>
> Cut the 4 wires connected to the FL101 and splice them
> right to right and left to left.
>
> Did you get an authoritative confirmation that this
>procedure was a good idea and that it's all that's required
>(along with a good ground, naturally)?
> And, most important, would you please pass on to me the
>step-by-step instructions you received for performing this
>modification?
>
>--Tim Rosaire
>
>

Hi Tim,

I never got a reply from the list on this question. When I got my R390A, I tested the plug to chassis/ground resistance and found it was on infinity, meaning there was no leakage from the bypass caps to the chassis. I felt then more confident, and I left the bypass filter alone.

I did check the schematics, and peeked into the machine. It is simply the 2 wires from the plug line going into the FL101 located right on the back of the radio. (its labeled on the rear of the set) The FL101 then has 2 wires going to the transformer. I guess all one needs to do is unscrew and remove the FL101 and run 2 wires from the plug to the wires going to the transformer, with of course putting the ground wire firmly screwed to the chassis. I know almost nothing about electronics so I would not guarantee this is the way to go. It does make sence though.

I periodically check the line to chassis/ground resistance just to make sure its still healthy. Probably, I will get a good computer grade power line plug connector to replace the FL101, and re/ground it. As of now the ground wire is hooked up to the exterior screw holding the FL101 in place. I would then run it through a computer type power strip noise filter.

Menachem

From ab4el.com Fri Jul 8 09:04:06 1994
From: Clark Fishman (FSAC-FCD) <cfishman@PICA.ARMY.MIL>
Subject: R390

With all this talk about filters and ac line caps on the R390

how about just plugging the thing in , sit back and listen....

that's what I do with my R391

WA2UNN

From ab4el.com Fri Jul 8 21:02:32 1994
From: Andy.Wallace@f278.n324.z1.fidonet.org (Andy Wallace)
Subject: R391

FROM: ulowell!PICA.ARMY.MIL!cfishman

ul> how about just plugging the thing in , sit back and listen....
ul> that's what I do with my R391

I think I saw an R391 at a Marlborough, MA ham flea about ten years ago. Wasn't that a remotely-autotuned R390? Eight (five?) channels? Seems to me I saw a lot of mechanics in the thing, but that was before I bought my 390A so I wasn't familiar with the layout.

--Andy

... Kill WORLD BAND RADIO and bring back Short-Wave!

From ab4el.com Wed Jul 6 13:32:46 1994
From: CHRIS _ PRUSSING <RMCP@tundra.alaska.edu>
Subject: Racal RA17 aka RA71 info need

Hi group-

I have an option on a Britanchor-Racal RA17, known in US as RA71. Several questions having to do with its acquisition:

- (1) How much is it worth?

From ab4el.com Wed Jul 6 13:44:50 1994
From: CHRIS _ PRUSSING <RMCP@tundra.alaska.edu>
Subject: Racal RA17 aka RA71 info need

Hi group-

I have an option on a Britanchor-Racal RA17, known in US as RA71. Several questions having to do with its acquisition:

- (1) How much is it worth?
- (2) How much does it weigh (this one is rack mount-no cabinet)?
- (3) How horrific is the Wadley Loop system to troubleshoot?
- (4) Any interchange on tubes designated 6688 and EK90?
- (5) Anyone have a 6688, EK90 or sub for same?
- (6) Anyone have manual they could copy important parts of

for me?

I think military designation for this thing is FRA54AV.

Any/ all help/advice appreciated. Thanks

Jim Dillon RMCP@Tundra.Alaska.Edu

From ab4el.com Wed Jul 6 04:04:28 1994

From: "PMD G.SIFAKIS" <pmidsif@isoft.intranet.gr>

Subject: Re: Racks and tubes ...

Don sez:

>Storing gear for use and display? I like old fashioned 19" racks. A lot of
>BA gear just bolts right up. And I make or buy 19" mount shelves for undersize
>gear. Then oversize gear goes on regular wooden shelving. Of course you don't
>have any of these considerations for floor-mounted equipment <grin>...

Have you ever tried to bolt a 100lb boatanchor (CV157, R390, etc) on a
19" rack? You have to somehow keep it supported until the bolts go all the
way in. I've done it, and it was a nightmare. Other than laying the rack on
its back, I can't think of any easier way to do it. I'm sure there is one
however, and I would appreciate someone pointing it out.

George SV0KA

From ab4el.com Wed Jul 6 09:02:09 1994

From: JosephWP@aol.com

Subject: Re: Re: HQ-215

Jeff,

It is the AOL gateway, I am sure!

From ab4el.com Fri Jul 8 10:05:34 1994

From: Scott_Johnson-AZAX60@email.sps.mot.com

Subject: RE>OCTAL PLUGS SOURCE?

Reply to: RE>OCTAL PLUGS SOURCE?

I would caution against the indiscriminate use of Si diode replacements in valve
rectifier type gear. The inrush current may damage power supply components and
subject tube to B+ before they are ready to emit electrons. This is rarely a
problem in receivers, due to the relatively high impedance of the power xfmr,
but a 5U4 hints of a small transmitter or exciter. Another worry is the
increased B+ voltage due to the reduced voltage drop. Filter caps may not

tolerate it. A time delay relay could be retrofitted, of course, but since you want a plug in replacement I assume you don't want to butcher the chassis. If you simply want higher B+, a good replacement for the 5U4 is the 5AR4/GZ34. It was getting a bit pricey, but I understand the Russians are building it now. The GZ34 is indirectly heated, so it gives an even longer delay time and it has about the lowest voltage drop of any rectifier short of an MV.

Date: 7/7/94 21:31
To: Scott Johnson
>From: firebot1@jackatak.raider.net@a
X-Mailer: SCO Portfolio 2.0

Chris-

> Anyone know of a source for octal plugs...
> I need some for ...
> state replcement 5U4 type diodes

Where is your ham ingenuity? If you want to build a diode matrix to replace a 5U4GT, why not let the dead old 5U4 provide the octal base?

Is it just me? I have taken older, not functioning 5U4 type rectifier and smashed (gently, of course ;) the glass envelop and then used the base as the "foundation" of the solid-state diode matrix... works pretty well overall... at least for me...

73,

Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657 -- all from the mobile! ;^)

Fire Bottle Server (Boat Anchors Get Out and Keep You Warm!)

firebot1@jackatak.raider.net

Where Old Radios and Fun ... GO TOGETHER!

+-----human interface: root@jackatak.raider.net -----+

From ab4el.com Thu Jul 7 17:50:29 1994
From: "Menachem Galatz DC" <mgalatz@panix.com>
Subject: Replacing bypass caps

Hello Gentlemen,

Returning to the subject of the line filter bypass caps on the R390A: if one wanted to replace the FL101 and replace it with a modern, computer style power connector, what type part would one use? Where do you get them? At the very least, it would make it neat.

There are those on the list (Jim I think) that mentioned removing the FL101 because of leaking under applied voltage at least. How would one check this with a VOM during applied voltage: what setting on the VOM, etc? Mine passes the test when not plugged in (infinite resistance between plug and chassis), I am curious to see what happens under power.

Menachem

From ab4el.com Fri Jul 8 20:03:29 1994
From: "Kenan, Larry" <larryk@frick.sandiegoca.NCR.COM>
Subject: Re[2]: OCTAL PLUGS SOURCE?

>>Is it just me? I have taken older, not functioning 5U4 type rectifier
>>and smashed (gently, of course ;^) the glass envelop and then used the
>>base as the "foundation" of the solid-state diode matrix... works
>>pretty well overall... at least for me...
>

Holding the glass bulb with a towel (in case it breaks) and twisting the bulb and base in opposite directions will often break the cement loose. Then you can put the diodes in the base, reglue the bulb in place and it still looks like a tube.

I have done this with *real* antiques (1960 boatanchors are recent history) so that I could keep the globe top style type 80 rectifier that had no emission left. I even left the filament connected so that they would still glow in the dark.

Don't replace tube rectifiers with solid state diodes unless you have a power transformer and filter choke --- or --- put some small resistances in series to cut down on the starting power surge.

Larry Kenan - KD6CKR

From ab4el.com Thu Jul 7 16:26:39 1994
From: al511@Freenet.HSC.Colorado.EDU (Robert Neece)
Subject: RF Ammeters

BA-ites:

I am in need of several matched pairs of RF ammeters,
thermocouple style.

Pairs each having a full-scale range of, say, 1A, 1.5A,
2A, 3A, 5A, 8A, 10A, 15A, or even higher, are of interest.

I am willing to purchase more than two of a kind, with a
view toward selecting the pair that comes closest to giving
equal readings.

If any of you can be of help, please reply directly to
al511@freenet.hsc.colorado.edu.

73 de Bob, K0KR

From ab4el.com Wed Jul 6 17:14:19 1994
From: "Ferranti Rick" <ferranti_rick@atc.ll.mit.edu>
Subject: Rick Blank -- Davco Manual in Mail

Rick:

Your mail keeps bouncing; I sent the Davco DR-30 manual this morning.

73,

Rick WA6NCX

From ab4el.com Fri Jul 8 11:38:07 1994
From: don merz <71333.144@compuserve.com>
Subject: SLR-12B, Power Supplies

Vintage Military Radio Gear For Sale

CONTACT: Don Merz, N3RHT: 47 Hazel Drive, Pittsburgh, PA 15228
412-234-8819 (weekdays, EST).

LATEST ADDITIONS: These are the latest additions to a lengthy list that
is posted on Compuserve in HAMNET Library 10 in the file RADIOS.TXT.

NOTE: I am a collector, trader and hobbyist, not a business. OFFERS AND
TRADES ARE WELCOME. Full payment is requested in advance. Shipping costs
extra and takes 2 to 3 weeks because I am slow. Thanks.

E. H. Scott SLR-12B receiver. 1940's vintage SWL receiver for broadcast band
throughy 18mhz. Used as a "morale" receiver by the Navy during the war.
Rackmount (no cabinet). Nice physical condition--original knobs and paint,
no mods. BUT some jerk has removed all the tubes. Untested. \$153

Collins TCS-12 110vac supply PP-380/U. The most rare TCS accessory in like-new, unused condition. Black wrinkle finish has a few scuffs but is basically mint. Three to sell. \$179 each

Military PP-114/VRC-3 vibrator power supply for the SCR-300 (BC-1000) WWII vintage backpack radio. Like-new, unused. Mint. Three to sell. \$115 each.

National NDC-07 speaker cabinet. I think this takes a 7" speaker. The color matches the HRO 5 or 7 (light, non-metallic gray). Brand new in the original box. No speaker, just the cabinet. Unopened. Mint. Three to sell. \$45 each.

From ab4el.com Fri Jul 8 13:19:32 1994
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From ab4el.com Wed Jul 6 13:34:21 1994
From: JosephWP@aol.com

Subject: Transmitter help!

Help! I think that I just toasted the output cap (Centralab 500 mmf @ 5KV) in my SB-110. I have dealt with receivers for many years, but only being a recently licensed HAM, my knowledge of transmitters is not so great.

I have had trouble getting proper output from the rig. The tuneup procedure seemed to go OK, but never could get proper output (have it connected through a URM-120 wattmeter to a dummy load). The max on voice peaks was 10 watts. But it did seem to be OK on tune (read 40 - 50 watts on the URM-120).

As I was working on the tuneup procedure, I noticed smoke coming from the finals. Maybe I got carried away and left it in tune too long.

Two requests:

Any suggestions as to how to proceed with this problem?

Anyone know of a source for those ceramic transmitting caps?

From ab4el.com Wed Jul 6 09:49:52 1994

From: mallick@ausable.crd.ge.com (John Mallick)

Subject: Re: Transmitter help! From: JosephWP@aol.com X-Mailer: America Online
Mailer Sender: "JosephWP" <JosephWP@aol.com> Date: Sat, 02 Jul 94 16:02:36 EDT

Help! I think that I just toasted the output cap (Centralab 500 mmf @ 5KV) in my SB-110. I have dealt with receivers for many years, but only being a recently licensed HAM, my knowledge of transmitters is not so great.

I have had trouble getting proper output from the rig. The tuneup procedure seemed to go OK, but never could get proper output (have it connected through a URM-120 wattmeter to a dummy load). The max on voice peaks was 10 watts. But it did seem to be OK on tune (read 40 - 50 watts on the URM-120).

As I was working on the tuneup procedure, I noticed smoke coming from the finals. Maybe I got carried away and left it in tune too long.

Two requests:

Any suggestions as to how to proceed with this problem?

Anyone know of a source for those ceramic transmitting caps?

...

Is your dummy load **really** 50 ohms? The output on tune seems a

little low, since I think that the SB110 used 6146's in the final. I sometimes get a little puff of smoke from the finals of my Drake T4XC, usually if the loading is weird and the loading capacitor arcs a bit. Nothing has "toasted" yet though.

Any SB110 gurus out there?

John WA1HNL

From ab4el.com Thu Jul 7 09:39:11 1994
From: mallick@ausable.crd.ge.com (John Mallick)
Subject: Variable capacitor repair???

While tuning up my Drake T4XC last night (into a dummy load, of course), I noticed some arcing back in the final section. Naturally, I just had to tear into it to see what was amiss. One of the plates on the rotor section of the final tuning capacitor seemed a bit "bent", so I tried to bend it back with my finger. It felt loose, and I noticed that whatever was holding it to the rotor was cracked. In fact, I could pull the plate off of the rotor. Hmmm...now what do I do? It is an end plate, so I suppose I could just leave it off and live with a bit lower capacitance. I finally just stuck it back in there and it seemed to hold OK, but I know it will eventually come loose.

Any ideas on repair? Should I just see if Drake has a replacement capacitor in stock? Inquiring minds want to know. Those plates don't seem to be solderable.

John WA1HNL

From ab4el.com Wed Jul 6 17:38:33 1994
Subject: VR-75/OA3
From: R.G. Keen <keen@austin.ibm.com>

I've got a pot full of these, I think.

R.G.

From ab4el.com Wed Jul 6 15:20:53 1994
From: janderson@polycom.com
Subject: VR75?

What is a common tube number for a VR75 tube? I have an old HP608A generator that I want to stock up on spares for.

Thanks,

- Jeff, WA6AHL

From ab4el.com Wed Jul 6 17:03:59 1994
From: "Rhett T. George" <rtg@ee.duke.edu>
Subject: Re: VR75?

It is also known as the 0A3.
Rhett - KE4HIH

From ab4el.com Thu Jul 7 13:41:19 1994
From: "J. D. Delancy" <k1zat@bah.com>
Subject: Re: your mail

On Thu, 7 Jul 1994, Rhett T. George wrote:
> - Greetings, Fellow BoatAnchorists -
> Digging thru a box of curious stuff, I found an Ameco VHF Converter,
Model CN.

What are the numbers after the CN? They came in several model, the CN-50
for six meters, CN-144 for Two and CN-220 for 220Mhz. It's a novistor
<?sp?> tube converter that came set up for an IF of 10-14 or 14-18 or
26-30 depending on what you told Ameco.

jd

From ab4el.com Thu Jul 7 18:12:30 1994
From: "J. D. Delancy" <k1zat@bah.com>
Subject: Re: your mail

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> Digging thru a box of curious stuff, I found an Ameco VHF Converter,
Model CN.

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jd